

Installation Guide

WI-PMS306GF-UPS-I

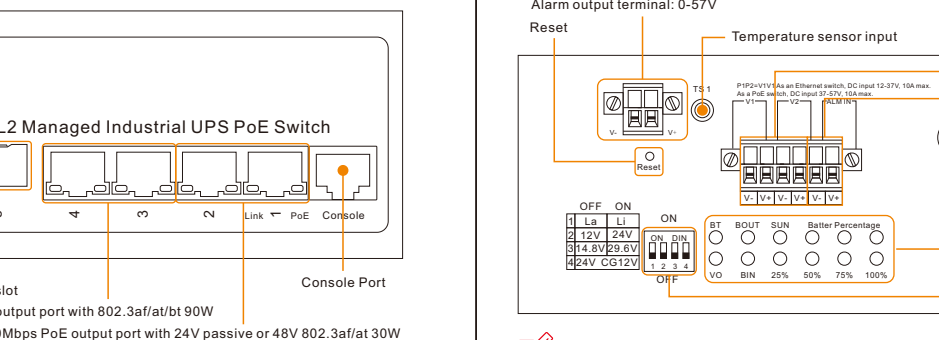
1.Package Contents

1xWI-PMS306GF-UPS-I



2.Hardware Introduction

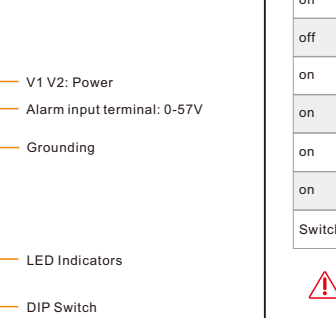
2.1 Front Panel



LED Indicators
1000Mbps SFP slot
Gigabit PoE output port with 802.3af/at/bt 90W
10/100/1000Mbps PoE output port with 24V passive or 48V 802.3af/at 30W

Port LED Indicators	Status	Description
PoE(Port 1-2)	Green On	802.3af/at PoE device is connected
	Amber On	24V passive PoE device is connected
	Off	No power
Link/Act	Green On	Ports link is established
	Blinking	Data on TX/RX
	Off	Ports link down
PoE 3-4	Green On	Data on TX/RX
	Blinking	1/2S: Solar energy is in delayed charging, the time is 10mins. 1/4S: Solar power voltage is wrong, stop charging
	Off	Ports link down
PWR	Green On	The device power on is normal
	Off	The device is power off or failed
V1/V2	Green On	The V1/V2 power is normal
	Off	The V1/V2 power is off or failed
Ring	Green On	Ring setting is established
	Off	Ring setting is off or failed

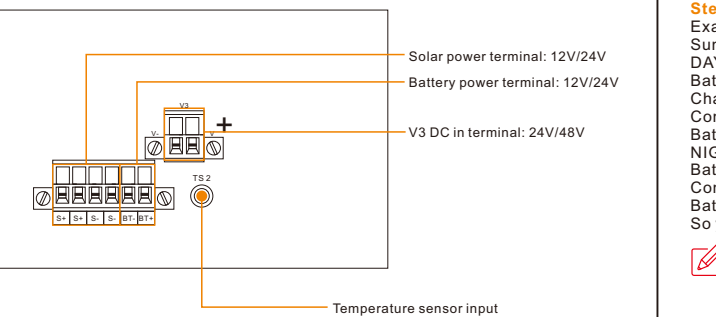
2.2 Up Panel



P1P2=V1V1 As an Ethernet switch, DC input 12-37V, 10A max.
As a PoE switch, DC input 37-57V, 10A max.

LED Indicators	Status	Description
BOUT: Battery discharge	Solid on	Battery is discharging and battery capacity is 15%
	Off	End of battery discharge or no discharge
	Blinking	1/2S: Battery capacity is <15%
SUN: Solar energy input	Solid on	Solar energy input is normal
	Off	No solar energy input
	Blinking	1/2S: Solar energy is in delayed charging, the time is 10mins. 1/4S: Solar power voltage is wrong, stop charging
BIN: Battery charging	Solid on	Battery is charging and battery capacity is <98%
	Off	Battery is charged fully or no charging
	Blinking	The battery is charging, and battery capacity is >98%
Battery percentage	Solid on	Reference the battery capacity 25% 50% 75% 100%

2.3 Down Panel



P1P2=V1V1 As an Ethernet switch, DC input 12-37V, 10A max.
As a PoE switch, DC input 37-57V, 10A max.

3.Hardware Installation

Step 1: How to get 12V or 24V voltage battery?

Product	Battery type	Battery Voltage	Battery Max Charge Current
WI-PMS306GF-UPS-I	Lead acid, lithium Lead acid lithium iron(lifePo4)	12V or 24V	10A

In parallel for 12V battery: 12V 100Ah + 12V 100Ah=12V 200Ah

In series for 12V battery: 12V 100Ah + 12V 100Ah=24V 100Ah

Step 2: How to select a suitable solar panel?

Solar Panel Type	Maximum power voltage(Vmp)	≤26V
12V Solar Panel	Open circuit voltage(Voc)	<30V
24V Solar Panel	Maximum power voltage(Vmp)	≤30V
	Open circuit voltage(Voc)	≤57V
S+ S- Input Voltage		12-57V

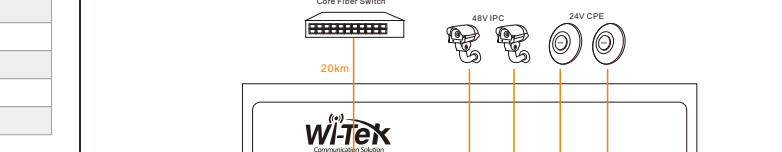
Step 3: Calculate solar panel and battery capacity
Example: Load=15W (1 pc UPS switch, 2 pcs IP camera, 1 pc wireless CPE)
Sun: 8h/day, Solar Panel: 100W, Battery: 12V/40Ah = 480Wh (100%)
DAY TIME:
Battery capacity at sunrise: 0%
Charge: 100W x 8h x 70% efficiency = 560Wh
Consumption: 15W x 8h = 120Wh
Battery capacity at sunset: 560-120 = 440Wh = 93%
NIGHT TIME:
Battery capacity at sunset: 440Wh (93%)
Consumption: 15W x 16h = 240Wh
Battery capacity at sunrise: 440-240Wh = 200Wh = 42% < 50% battery capacity, it's ok.
So you can use 12V/100W solar panel with 12V/40Ah battery.

The WI-PMS306GF-UPS-I max charge current is 10A, so solar power is 300W max.

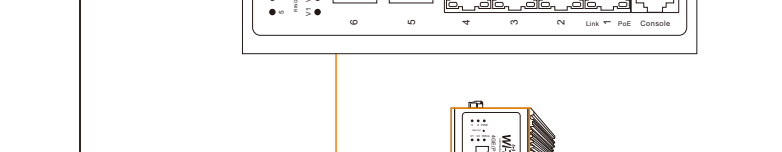
4. Hardware Installation

Step 1: Adjust DIP Switch

Adjust the DIP switch, select the correct battery type and volt.
(Reference **Product Overview> 2.2 Up Panel page**)



Step 4: Power on device after completing all setting.



Power Priority: Solar Panel>DC IN>Battery

B+: Battery positive electrodes
B-: Battery negative electrodes
S-: Solar negative electrodes
S+: Solar positive electrodes

Positive to positive, negative to negative.

Please install the WI-PMS306GF-UPS-I in a proper enclosure or shelter.
The WI-PMS306GF-UPS-I must be grounded.

5.Web Management

Step 4: The battery type and battery capacity will be auto display. The default of Wide Capacity CHG -- Off.

E.g. If you want to connect a 24V 200W solar panel, and 24V 100AH lead-acid battery.

Battery configuration -- Auto, the battery type is automatically displayed 24V lead-acid battery. If it is incorrect, please choose the battery type in the drop down box.

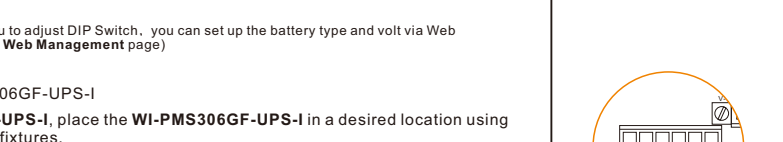
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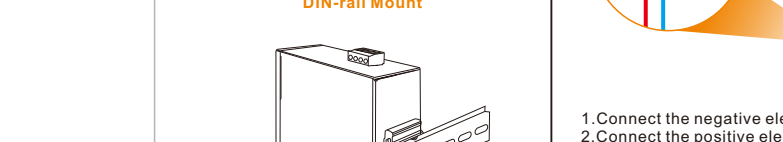
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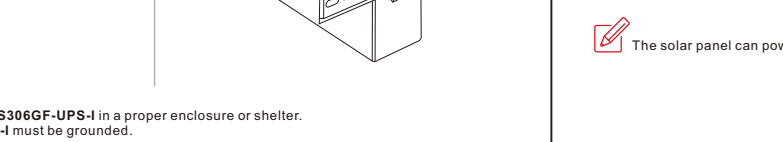
Step 5: Connect 24V/48V Clients



Step 1: Use Web browser to enter IP address http://192.168.0.1



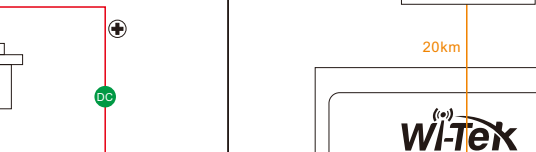
Step 3: After entering the password the main screen appears. The above page shows the information of solar power usage, PoE usage and battery capacity.



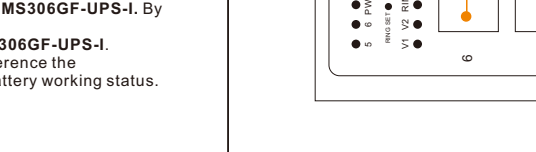
Warranty Card

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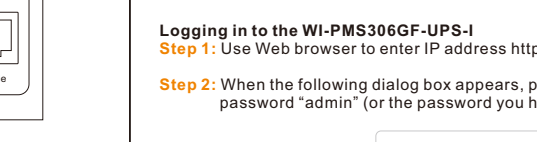
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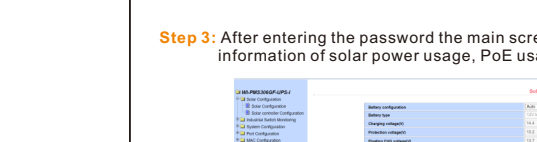
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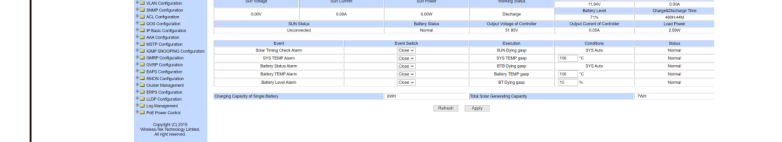
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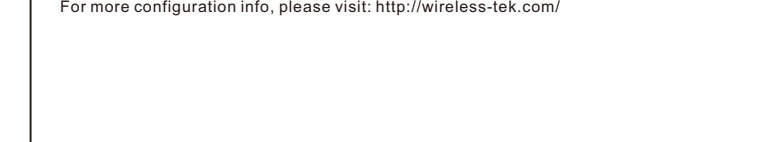
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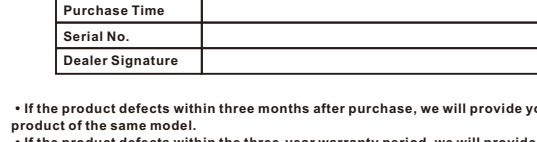
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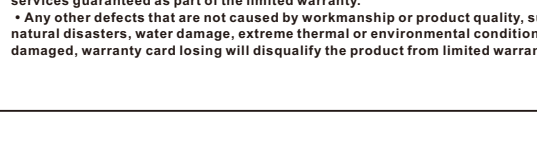
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If the product defects within three months after purchase, we will provide you a new product of the same model.
If the product defects within the three-year warranty period, we will provide the professional maintenance service.
Proof of purchase and a complete product serial number are required to receive any services guaranteed as part of the limited warranty.
Any other defects that are not caused by workmanship or product quality, such as natural disasters, water damage, extreme thermal or environmental conditions, sticker damaged, warranty card losing will disqualify the product from limited warranty.

For more configuration info, please visit: <http://wireless-tek.com/>

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